

c-Myc Antibody
Rabbit mAb
Catalog # AP90206

Specification

c-Myc Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	P01106
Reactivity	Rat
Clonality	Monoclonal
Other Names	
c-Myc; Class E basic helix-loop-helix protein 39; MRTL; MYC; Myc proto-oncogene protein; v-myc;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48804 Da

c-Myc Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human c-Myc
Description	Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Activates the transcription of growth-related genes. Myc a proto-oncogenic transcription factor that plays a role in cell proliferation, apoptosis and in the development of human tumors.. Seems to activate the transcription of growth-related genes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

c-Myc Antibody - Protein Information

Name MYC

Synonyms BHLHE39

Function

Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed: [24940000](http://www.uniprot.org/citations/24940000) target="_blank">24940000, PubMed: [25956029](http://www.uniprot.org/citations/25956029) target="_blank">25956029). Activates the transcription of growth-related genes (PubMed: [25956029](#) target="_blank">25956029).

href="http://www.uniprot.org/citations/24940000" target="_blank">24940000, PubMed:25956029). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed:24940000, PubMed:25956029). Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells (By similarity). Functions with TAF6L to activate target gene expression through RNA polymerase II pause release (By similarity). Positively regulates transcription of HNRNPA1, HNRNPA2 and PTBP1 which in turn regulate splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform (PubMed:20010808).

Cellular Location

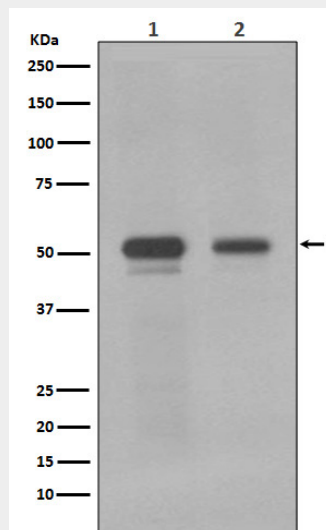
Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm Note=Localization to the nucleolus is dependent on HEATR1

c-Myc Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

c-Myc Antibody - Images



Western blot analysis of c-Myc expression in (1) Jurkat cell lysate;(2) K562 cell lysate.